

Page 3, at line 11, insert the following heading:

SUMMARY OF THE INVENTION

Page 4, at line 10, insert the following heading:

BRIEF DESCRIPTION OF THE DRAWINGS

Page 6, before line 1, insert the following heading:

DETAILED DESCRIPTION OF THE
PREFERRED EMBODIMENTS

IN THE CLAIMS:

Page 16, change the subtitle "CLAIMS" to -- I CLAIM --.

Please cancel claims 1-17, without prejudice.

Please add the following new claims:

-- 18. A camera, comprising: a sensor for receiving radiation representative of a scene; filter means for attenuating the radiation reaching different spatial regions of the sensor to different extents; and decoding means for combining contributions to an output of the sensor from the different spatial regions, to produce a camera output of extended dynamic range.

19. The camera as claimed in claim 18, in which the sensor is operative for producing the output representative of lines of an image of the scene, and in which the filter means comprises stripes orientated so that lines of the stripes are inclined to the lines of the image.

20. The camera as claimed in claim 19, in which the stripes are inclined at an angle within a range of $\pm 45^\circ$ to $\pm 80^\circ$ to the lines of the image.

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Continues*

21. The camera as claimed in claim 20, in which the stripes are at approximately $\pm 45^\circ$ to the lines of the image.

22. The camera as claimed in claim 19, in which the stripes are neutral density stripes.

23. The camera as claimed in claim 19, in which the stripes are opaque.

24. The camera as claimed in claim 19, in which the stripes are colored.

25. The camera as claimed in claim 19, in which regions between the stripes are polarizing.

26. The camera as claimed in claim 19, in which regions between the stripes are transparent.

27. The camera as claimed in claim 19, in which there is a plurality of sets of stripes, each having different attenuating properties and being inclined at different angles to the lines of the image.

28. The camera as claimed in claim 19, in which the decoding means is operative for combining successive lines of the image to reinforce the image and cancel the contributions to an intensity of the stripes.

29. The camera as claimed in claim 19, in which the decoding means is operative for combining successive lines of the image to cancel the contributions to an intensity of the image and reinforce an intensity of the stripes.

30. The camera as claimed in claim 28, in which the decoding means comprises at least one comb filter.